

# Yun Zhao

## List of Publications by Citations

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103  
papers

2,543  
citations

26  
h-index

47  
g-index

108  
ext. papers

3,259  
ext. citations

6.1  
avg, IF

5.33  
L-index

#	Paper	IF	Citations
103	Preparation of NiFe <sub>2</sub> O <sub>4</sub> nanorod/graphene composites via an ionic liquid assisted one-step hydrothermal approach and their microwave absorbing properties. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 5577	13	292
102	Vapor diffusion synthesis of CoFe <sub>2</sub> O <sub>4</sub> hollow sphere/graphene composites as absorbing materials. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 735-744	13	238
101	Nanostructured Nb <sub>2</sub> O <sub>5</sub> catalysts. <i>Nano Reviews</i> , <b>2012</b> , 3, 17631		129
100	Rational Construction of Hierarchically Porous Fe-Co/N-Doped Carbon/rGO Composites for Broadband Microwave Absorption. <i>Nano-Micro Letters</i> , <b>2019</b> , 11, 76	19.5	83
99	Preparation of hollow Co <sub>3</sub> O <sub>4</sub> microspheres and their ethanol sensing properties. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 11513-20	5.1	79
98	One-Pot Synthesis of NiCoS Hollow Spheres via Sequential Ion-Exchange as an Enhanced Oxygen Bifunctional Electrocatalyst in Alkaline Solution. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 29521-29531	9.5	174
97	Synthesis of well-dispersed TiO <sub>2</sub> @reduced graphene oxide (rGO) nanocomposites and their photocatalytic properties. <i>Materials Research Bulletin</i> , <b>2017</b> , 90, 125-130	5.1	70
96	Preparation of flower-like CoFe <sub>2</sub> O <sub>4</sub> @graphene composites and their microwave absorbing properties. <i>Materials Letters</i> , <b>2018</b> , 223, 186-189	3.3	69
95	Synthesis of Polyoxymethylene Dimethyl Ethers Catalyzed by Brønsted Acid Ionic Liquids with Alkanesulfonic Acid Groups. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 16254-16260	3.9	64
94	Preparation of rugby-shaped CoFe <sub>2</sub> O <sub>4</sub> particles and their microwave absorbing properties. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 18033-18039	13	62
93	Hierarchical Co <sub>9</sub> S <sub>8</sub> @Carbon Hollow Microspheres as an Anode for Sodium Ion Batteries with Ultralong Cycling Stability. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 6122-6130	8.3	57
92	Sandwich-like octahedral cobalt disulfide/reduced graphene oxide as an efficient Pt-free electrocatalyst for high-performance dye-sensitized solar cells. <i>Carbon</i> , <b>2017</b> , 119, 225-234	10.4	56
91	Facile Synthesis of Co <sub>9</sub> S <sub>8</sub> Hollow Spheres as a High-Performance Electrocatalyst for the Oxygen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 1863-1871	8.3	56
90	Controllable Synthesis of Fe <sub>2</sub> O <sub>3</sub> Nanotube/Porous rGO Composites and Their Enhanced Microwave Absorption Properties. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 7004-7013	8.3	49
89	Facile synthesis of Co <sub>0.85</sub> Se nanotubes/reduced graphene oxide nanocomposite as Pt-free counter electrode with enhanced electrocatalytic performance in dye-sensitized solar cells. <i>Carbon</i> , <b>2017</b> , 122, 381-388	10.4	48
88	Core/shell structured composites of hollow spherical CoFe <sub>2</sub> O <sub>4</sub> and CNTs as absorbing materials. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 694, 309-312	5.7	45
87	In situ fabrication and characterization of cobalt ferrite nanorods/graphene composites. <i>Materials Characterization</i> , <b>2013</b> , 86, 303-315	3.9	43

86	Green Synthesis of Porous Cocoon-like rGO for Enhanced Microwave-Absorbing Performances. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 42865-42874	9.5	42
85	Effect of microstructures of Pt catalysts supported on carbon nanotubes (CNTs) and activated carbon (AC) for nitrobenzene hydrogenation. <i>Materials Chemistry and Physics</i> , <b>2007</b> , 103, 225-229	4.4	41
84	Optical fibres with embedded two-dimensional materials for ultrahigh nonlinearity. <i>Nature Nanotechnology</i> , <b>2020</b> , 15, 987-991	28.7	37
83	Preparation of Yolk-Shell-Structured Co Fe P with Enhanced OER Performance. <i>ChemSusChem</i> , <b>2019</b> , 12, 4461-4470	8.3	36
82	Catalytic synthesis of carbon nanostructures using layered double hydroxides as catalyst precursors. <i>Carbon</i> , <b>2007</b> , 45, 2159-2163	10.4	35
81	Synthesis of well-dispersed TiO <sub>2</sub> /CNTs@CoFe <sub>2</sub> O <sub>4</sub> nanocomposites and their photocatalytic properties. <i>Materials Research Bulletin</i> , <b>2018</b> , 101, 83-89	5.1	34
80	Synthesis of polyoxymethylene dimethyl ethers from methylal and trioxane catalyzed by Brønsted acid ionic liquids with different alkyl groups. <i>RSC Advances</i> , <b>2015</b> , 5, 57968-57974	3.7	33
79	Dual-coupling-guided epitaxial growth of wafer-scale single-crystal WS monolayer on vicinal a-plane sapphire. <i>Nature Nanotechnology</i> , <b>2021</b> ,	28.7	31
78	Water-Fed Hydroxide Exchange Membrane Electrolyzer Enabled by a Fluoride-Incorporated Nickel/Iron Oxyhydroxide Oxygen Evolution Electrode. <i>ACS Catalysis</i> , <b>2021</b> , 11, 264-270	13.1	27
77	Controllable synthesis of hierarchical CuS/ZnS hetero-nanowires as high-performance visible-light photocatalysts. <i>RSC Advances</i> , <b>2016</b> , 6, 110266-110273	3.7	26
76	One-step vapor diffusion synthesis of uniform CdS quantum dots/reduced graphene oxide composites as efficient visible-light photocatalysts. <i>RSC Advances</i> , <b>2014</b> , 4, 23242	3.7	26
75	Construction of Porous Co <sub>9</sub> S <sub>8</sub> Hollow Boxes with Double Open Ends toward High-Performance Half/Full Sodium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 6305-6314	8.3	26
74	Universal Imaging of Full Strain Tensor in 2D Crystals with Third-Harmonic Generation. <i>Advanced Materials</i> , <b>2019</b> , 31, e1808160	24	21
73	HZSM-5/MCM-41 composite molecular sieves for the catalytic cracking of endothermic hydrocarbon fuels: nano-ZSM-5 zeolites as the source. <i>Journal of Nanoparticle Research</i> , <b>2014</b> , 16, 1	2.3	21
72	Catalytic synthesis of nitrogen-doped multi-walled carbon nanotubes using layered double hydroxides as catalyst precursors. <i>Journal of Chemical Sciences</i> , <b>2009</b> , 121, 225-229	1.8	21
71	Iron-Doped Nickel Cobalt Phosphide Nanoarrays with Urchin-like Structures as High-Performance Electrocatalysts for Oxygen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 6273-6281 <sup>20</sup>	8.3	20
70	Rational design of metal organic framework derived hierarchical structural nitrogen doped porous carbon coated CoSe/nitrogen doped carbon nanotubes composites as a robust Pt-free electrocatalyst for dye-sensitized solar cells. <i>Journal of Power Sources</i> , <b>2019</b> , 422, 122-130	8.9	19
69	Rational Design of N-Doped [email protected] Nanowires toward High-Performance Half/Full Sodium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 11317-11327	8.3	18

68	Microemulsion-based synthesis of porous Co <sub>0.3</sub> Ni <sub>0.7</sub> ferrite nanorods and their magnetic properties. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 555, 95-100	5.7	18
67	Nanotube arrays of Zn/Co/Fe composite oxides assembled in porous anodic alumina and their magnetic properties. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 487, 591-594	5.7	18
66	Synthesis of porous nitrogen-doped graphene decorated by Fe <sub>2</sub> O <sub>3</sub> nanorings for enhancing microwave absorbing performance. <i>Ceramics International</i> , <b>2020</b> , 46, 1002-1010	5.1	18
65	Magnetic CoFe <sub>2</sub> O <sub>4</sub> Nanoparticles Supported Basic Poly(Ionic Liquid)s Catalysts: Preparation and Catalytic Performance Comparison in Transesterification and Knoevenagel Condensation. <i>Catalysis Letters</i> , <b>2016</b> , 146, 951-959	2.8	17
64	Preparation of pod-like 3D Ni <sub>0.33</sub> Co <sub>0.67</sub> Fe <sub>2</sub> O <sub>4</sub> @rGO composites and their microwave absorbing properties. <i>Ceramics International</i> , <b>2019</b> , 45, 7188-7195	5.1	17
63	Rational integration of hierarchical structural CoS <sub>1.097</sub> nanosheets/reduced graphene oxide nanocomposites with enhanced electrocatalytic performance for triiodide reduction. <i>Carbon</i> , <b>2018</b> , 126, 514-521	10.4	17
62	Hydrothermal Synthesis of Ni/Al Layered Double Hydroxide Nanorods. <i>Journal of Nanotechnology</i> , <b>2011</b> , 2011, 1-6	3.5	16
61	Synthesis of Zn/Co/Fe-layered double hydroxide nanowires with controllable morphology in a water-in-oil microemulsion. <i>Materials Characterization</i> , <b>2010</b> , 61, 227-232	3.9	16
60	Synthesis of zinc/nickel ferrite nanorods and their magnetic properties. <i>RSC Advances</i> , <b>2014</b> , 4, 15650-15654	3.7	15
59	Probing the synergistic effect of Mo on Ni-based catalyst in the hydrogenation of dicyclopentadiene. <i>Applied Catalysis A: General</i> , <b>2019</b> , 574, 60-70	5.1	14
58	Visualizing grain boundaries in monolayer MoSe <sub>2</sub> using mild H <sub>2</sub> O vapor etching. <i>Nano Research</i> , <b>2018</b> , 11, 4082-4089	10	14
57	Ionic liquid-assisted solvothermal synthesis of hollow CoFe <sub>2</sub> O <sub>4</sub> microspheres and their absorbing performances. <i>Materials Letters</i> , <b>2017</b> , 193, 232-235	3.3	13
56	Preparation of nickel hydroxide nanorods/nanotubes and microscopic nanorings under hydrothermal conditions. <i>Journal of Nanoparticle Research</i> , <b>2007</b> , 9, 519-522	2.3	13
55	Giant enhancement of optical nonlinearity in two-dimensional materials by multiphoton-excitation resonance energy transfer from quantum dots. <i>Nature Photonics</i> ,	33.9	13
54	One-Pot Synthesis of CuCo <sub>2</sub> S <sub>4</sub> Sub-Microspheres for High-Performance Lithium-/Sodium-Ion Batteries. <i>ChemElectroChem</i> , <b>2019</b> , 6, 1558-1566	4.3	12
53	Shape-Dependent Acidity and Photocatalytic Activity of Nb <sub>2</sub> O <sub>5</sub> Nanocrystals with an Active TT (001) Surface. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 3912-3915	3.6	12
52	MoS <sub>2</sub> microsphere@ N-doped carbon composites as high performance anode materials for lithium-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 840, 230-236	4.1	11
51	In-situ preparation of multi-layered sandwich-like CuCo <sub>2</sub> S <sub>4</sub> /rGO architectures as anode material for high-performance lithium and sodium ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 845, 156183	5.7	11

50	In situ synthesis of Mg/Fe LDO/carbon nanohelix composites as absorbing materials. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 658, 505-512	5.7	11
49	Preparation of core-shell Zn-doped CoFe <sub>2</sub> O <sub>4</sub> cubes @CNT composites and their absorbing performances. <i>Micro and Nano Letters</i> , <b>2017</b> , 12, 227-230	0.9	11
48	Cu/NC@Co/NC composites derived from core-shell Cu-MOF@Co-MOF and their electromagnetic wave absorption properties.. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 613, 182-193	9.3	11
47	Alkaline Ionic Liquids Immobilized on Protective Copolymers Coated Magnetic Nanoparticles: An Efficient and Magnetically Recyclable Catalyst for Knoevenagel Condensation. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2019</b> , 58, 2824-2834	3.9	10
46	Core-shell MoS <sub>2</sub> @graphene composite microspheres as stable anodes for Li-ion batteries. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 15340-15345	3.6	10
45	Strong-coupled hybrid structure of carbon nanotube and MoS monolayer with ultrafast interfacial charge transfer. <i>Nanoscale</i> , <b>2019</b> , 11, 17195-17200	7.7	10
44	Hydrogenation of Multi-walled Carbon Nanotubes in Ethylenediamine. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2010</b> , 18, 14-23	1.8	10
43	Synthesis of methylal from methanol and formaldehyde catalyzed by Brønsted acid ionic liquids with different alkyl groups. <i>RSC Advances</i> , <b>2015</b> , 5, 87200-87205	3.7	9
42	Basic polymerized imidazolidine-based ionic liquid: an efficient catalyst for aqueous Knoevenagel condensation. <i>RSC Advances</i> , <b>2015</b> , 5, 21415-21421	3.7	9
41	Mechanism of pore formation and structural characterization for mesoporous Mg-Al composite oxides. <i>Science in China Series B: Chemistry</i> , <b>2002</b> , 45, 37		9
40	Polystyrene Nanometer-Sized Particles Supported Alkaline Imidazolium Ionic Liquids as Reusable and Efficient Catalysts for the Knoevenagel Condensation in Aqueous Phase. <i>Catalysis Letters</i> , <b>2018</b> , 148, 134-143	2.8	9
39	Hollow MoS <sub>2</sub> /rGO composites as high-performance anode materials for lithium-ion batteries. <i>Ionics</i> , <b>2019</b> , 25, 4659-4666	2.7	8
38	In situ preparation of polyimide/amino-functionalized carbon nanotube composites and their properties. <i>Polymer Composites</i> , <b>2014</b> , 35, 1952-1959	3	8
37	Preparation and application of Cu/Cr hydrotalcite-like compounds. <i>Journal of Materials Science</i> , <b>2009</b> , 44, 4422-4428	4.3	8
36	Preparation of PET/LDH composite materials and their mechanical properties and permeability for O <sub>2</sub> . <i>Polymer Engineering and Science</i> , <b>2019</b> , 59, E366-E371	2.3	7
35	In situ Preparation of PI/Amino-Functionalized Graphene Composites and Their Properties. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , <b>2015</b> , 23, 680-686	1.8	7
34	Synthesis of magnetic nickel ferrite microspheres and their microwave absorbing properties. <i>Chemical Research in Chinese Universities</i> , <b>2016</b> , 32, 678-681	2.2	7
33	Preparation of a porous structure in a poly(4-methyl-1-pentene)/diphenyl ether system with a thermally induced phase-separation method. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 112, 1271-1277	2.9	7

32	Rational Design of NiCo <sub>2</sub> S <sub>4</sub> Quantum Dot-Modified Nitrogen-Doped Carbon Nanotube Composites as Robust Pt-Free Electrocatalysts for Dye-Sensitized Solar Cells. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 4344-4354	6.1	7
31	Revealing the effect of interfacial electron transfer in heterostructured Co <sub>9</sub> S <sub>8</sub> @NiFe LDH for enhanced electrocatalytic oxygen evolution. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 12244-12254	13	7
30	Fe-based catalysts from Mg/Fe layered double hydroxides for preparation of N-doped carbon nanotubes. <i>Materials Chemistry and Physics</i> , <b>2010</b> , 122, 612-616	4.4	6
29	Synthesis of a novel titanium complex catalyst and its catalytic performance for olefin polymerization. <i>Russian Journal of Applied Chemistry</i> , <b>2015</b> , 88, 1723-1727	0.8	5
28	Carbon nanotube-supported bimetallic Pt <sub>2</sub> Fe catalysts for nitrobenzene hydrogenation. <i>Micro and Nano Letters</i> , <b>2014</b> , 9, 97-99	0.9	5
27	Microemulsion-mediated solvothermal synthesis of hollow Co <sub>3</sub> O <sub>4</sub> @Ni ferrite nanoparticle tubes and their magnetic properties. <i>Micro and Nano Letters</i> , <b>2013</b> , 8, 68-69	0.9	5
26	Rational Design of Hierarchical Structural CoSe@NPC/CoSe@CNT Nanocomposites Derived from Metal-Organic Frameworks as a Robust Pt-free Electrocatalyst for Dye-Sensitized Solar Cells. <i>ACS Omega</i> , <b>2020</b> , 5, 26253-26261	3.9	5
25	Controlling of morphology of Ni/Al-LDHs using microemulsion-mediated hydrothermal synthesis. <i>Bulletin of Materials Science</i> , <b>2008</b> , 31, 831-834	1.7	4
24	Synthesis of Surface-Active Heteropolyacid-Based Ionic Liquids and Their Catalytic Performance for Desulfurization of Fuel Oils. <i>ACS Omega</i> , <b>2020</b> , 5, 31171-31179	3.9	4
23	Functionalized Core-Shell Polystyrene Sphere-Supported Alkaline Imidazolium Ionic Liquid: An Efficient and Recyclable Catalyst for Knoevenagel Condensation. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 18126-18137	8.3	4
22	Controllable construction of core-shell CuCo <sub>2</sub> S <sub>4</sub> @polypyrrole nanocomposites as advanced anode materials for high-performance sodium ion half/full batteries. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 293-303	7.8	4
21	Preparation and magnetic properties of hollow ferrite microspheres by a gas-phase diffusion method in an ionic liquid/H <sub>2</sub> O mixed solution. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 3795-3804	4.3	3
20	Structural Regulation of Magnetic Polymer Microsphere@Ionic Liquids with an Intermediate Protective Layer and Application as Core-Shell-Shell Catalysts with High Stability and Activity. <i>ACS Omega</i> , <b>2020</b> , 5, 23062-23069	3.9	3
19	Preparation of Na-alginate/CNTs composite spheres by dripping-gelatinization process and their enhanced adsorption of VB12 by freeze-casting. <i>Journal of Porous Materials</i> , <b>2019</b> , 26, 353-360	2.4	3
18	Modulation of carrier lifetime in MoS <sub>2</sub> monolayer by uniaxial strain. <i>Chinese Physics B</i> , <b>2020</b> , 29, 077201	1.2	2
17	Preparation of carboxylate-intercalated layered double hydroxides using mixed hydroxides or oxides. <i>Micro and Nano Letters</i> , <b>2011</b> , 6, 832	0.9	2
16	Synthesis and application on UV-curable epoxy/dendritic maleate resin. <i>Polymer Bulletin</i> , <b>2011</b> , 67, 1583-1594	1.5	2
15	Preparation of carbon nanofibers over carbon nanotube-nickel catalyst in propylene decomposition. <i>Journal of Materials Science</i> , <b>2007</b> , 42, 4240-4244	4.3	2

14	Controllable preparation of polyamide 12@SiO <sub>2</sub> composite powders. <i>Polymer Composites</i> , <b>2019</b> , 40, 1251-1257	3	2
13	Fluorinated Polyurethane-Based Enameled Wires with a Low Friction Coefficient. <i>ACS Omega</i> , <b>2021</b> , 6, 4719-4725	3.9	2
12	Structure-Designed Preparation of Pod-Like CuCo <sub>2</sub> S <sub>4</sub> /rGO as Advanced Anode Material Targeting Superior Sodium Storage. <i>ChemElectroChem</i> , <b>2021</b> , 8, 3666	4.3	2
11	Synthesis of phenoxy-ester titanium complexes with different R1 and R2 substituents and their catalytic properties. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2017</b> , 54, 194-200	2.2	1
10	Preparation of Terephthalate-Intercalated Layered Double Hydroxides Using Mixed Hydroxides. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , <b>2012</b> , 42, 579-582		1
9	Preparation of honeycomb films from nitril poly(ether ether ketone)s via water-droplet templating. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 113, 2090-2095	2.9	1
8	Light olefin production using the mixture of HZSM-5/MCM-41 and Al <sub>2</sub> O <sub>3</sub> as catalysts for catalytic pyrolysis of waste tires. <i>Chemical Industry and Chemical Engineering Quarterly</i> , <b>2021</b> , 27, 69-78	0.7	1
7	Pomegranate-like Core-Shell Ni-NSs@MSNs as a High Activity, Good Stability, Rapid Magnetic Separation, and Multiple Recyclability Nanocatalyst for DCPD Hydrogenation. <i>ACS Omega</i> , <b>2021</b> , 6, 11570-11584	7.9	0
6	Synthesis of Novel Fluorinated Poly(aryl ether ketone)s and Their Properties. <i>Polymer Science - Series B</i> , <b>2021</b> , 63, 333-340	0.8	0
5	Monitoring the Material Quality of Two-Dimensional Transition Metal Dichalcogenides. <i>Journal of Physical Chemistry C</i> , <b>2022</b> , 126, 3797-3810	3.8	0
4	Metal - organic frameworks derived NiP/NC@CoFeP/NC composites for highly efficient oxygen evolution reaction.. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 617, 585-593	9.3	0
3	Preparation of Zn <sub>0.76</sub> Co <sub>0.24</sub> S@C yolk-shell sphere with phenolic resin derived carbon layer and its high electrochemical performance for sodium-ion batteries. <i>Powder Technology</i> , <b>2022</b> , 404, 117422	5.2	0
2	Synthesis and Characterization of Zn/Ni/Fe Magnetic Composite Oxide Nanotubes Assembled in Porous Anodic Alumina. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , <b>2010</b> , 40, 695-699		
1	Synthesis of Aromatic Polyamide Copolymers with Reduced Dielectric Constant. <i>Polymer Science - Series B</i> , <b>2021</b> , 63, 239-244	0.8	